This invention provides a retroreflective sheeting provided with a destructive layer, which comprises at least a surface layer, retroreflective element layer and adhesive layer, characterized in that at least one destructive layer is provided between the layers constituting the retroreflective sheeting, that the resin constituting said destructive layer is alicyclic polyolefin resin or alicyclic acrylic resin; and when the retroreflective sheeting which is once stuck on a substrate is peeled off from the substrate, that the peeling takes place at the interface of the destructive layer and the layer which is in intimate contact therewith and/or by destruction of the destructive layer.